

QUICK ATTACHMENT FIXTURE AND POWER CARD
FOR DIODE-BASED LIGHT DEVICES

ABSTRACT OF THE DISCLOSURE

A quick attachment device for use in the repeated testing of diode light sources (30) includes a quick attachment module (10) having a fixed location with respect to a testing position (150) for the diodes (30), and a mounting assembly (20) on which each diode (30) is mounted during testing. The quick attachment module (10) includes a quick disconnect fastener and two locating pins (120a and 120b) for securing the mounting assembly (20) for testing, where the two locating pins (120a and 120b) have a locational transition fit connection with the mounting assembly (20). The mounting assembly (20) may further include a thermal-electric cooling device (260) for cooling the diode light sources (30) during testing.